SECRET

OUT64963

S E C R E T 301619Z APR 68 CITE [redacted] 615 1968 APR 30 16 28Z 25X1
[redacted] 25X1

SUBJ: EVALUATION OF MISSION G-024

1. CAMERA SYSTEM 111B, UNIT 3 WAS USED ON MISSION G-024, FLOWN 25 APRIL 1968. THE MATERIAL WAS PROCESSED BY NAV RECON TECH SUPPCEN.

2. ORIGINAL NEGATIVE:

A. A SLIT VELOCITY OF 77 INCHES PER SECOND WAS USED THROUGHOUT THE MISSION. THE EXPOSURE IS GOOD. THE DENSITY IS MEDIUM THROUGHOUT THE MISSION; HOWEVER, THE CONTRAST IS SLIGHTLY LOWER THAN EXPERIENCED ON RECENT TEST MISSIONS USING THIS CAMERA.

B. NARROW MINUS DENSITY LINES, APPARENTLY CAUSED BY OBSTRUCTIONS IN THE SLIT APERTURE, ARE PRESENT ACROSS EACH FORMAT. IMAGE DEGRADATION IS MINIMAL. INTERMITTENT EDGE FOG IS PRESENT ON BOTH FILM EDGES THROUGHOUT THE MISSION.

C. TITLED FRAMES 200, 313, AND 509 ARE SMEARED IN THE CROSS-TRACK DIRECTION. THIS ANOMALY APPEARS TO BE ASSOCIATED WITH CAMERA OFF/ON. THE SPACING BETWEEN FRAMES VARIES FROM 1.5 INCH TO A MAXIMUM OF 5.0 INCHES AT EVERY CAMERA OFF/ON. DUE TO THIS ERRATIC METERING, IMAGED FRAME INDICATOR NUMBER 558 WAS IMAGED

DISTRIBUTION	
OFFICE	PX
DIR	
CABLE SEC.	
PP&B/PD	
SECUR.	
TSSG	
PSG/OC	
RRD	
REPRO	
AID	
IEG	
PROD	
SCIEN	
WEST	
EAST	
M&S	
PGM	
IAS	
DIA-EX4	
SPAD	
DIA-AI	
[redacted]	
OMB	

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TWICE. THE FRAME IMMEDIATELY FOLLOWING TITLED FRAME 317 WAS TITLED TWICE WITH NUMBERS 318 AND 319.

D. A HEAT SPLICE IS PRESENT BETWEEN TITLED FRAMES 312/313.

E. MODE 5 WAS USED THROUGHOUT THE MISSION.

F. THE IMC APPEARS TO HAVE FUNCTIONED PROPERLY. THE FRAMES ARE SKEWED AND IMAGE SMEAR IS NOT APPARENT. THE RESOLUTION VARIES FROM POOR TO FAIR. THE IMAGERY IS DEGRADED BY EITHER AN OVERALL HAZE CONDITION OR A VERY SUBTLE OUT-OF-FOCUS CONDITION. THE BEST GROUND RESOLUTION IS ESTIMATED TO BE [redacted] PLUS SPACE).

25X1
25X1

3. POSITIVES

A. THE PI SUITABILITY IS FAIR TO GOOD. THE SCALE OF THE PHOTOGRAPHY PROVIDES DETAILED INFORMATION WHICH IS NOT PRESENT ON THE USUAL GL MISSION. ALL PHOTOGRAPHY WAS ACQUIRED AT A NEAR VERTICAL POSITION. THE MAXIMUM OBLIQUITY ANGLE IS 7.8 DEGREES.

B. THE PRINTING AND PROCESSING ARE GOOD.

C. CLOUDS OBSCURED LESS THAN FIVE PERCENT OF THE ENTIRE MISSION.

S E C R E T

ADVANCE COPY SANITIZED WITH TEXT

END OF MESSAGE

SECRET